



FACILITY COMPLIANCE INSPECTION REPORT

Division of Waste Management

Solid Waste Section

UNIT TYPE:												
Lined MSWLF	X	LCID		YW		Transfer		Compost	X	SLAS		COUNTY: Wilkes PERMIT NO.: 97-04 FILE TYPE: COMPLIANCE
Closed MSWLF		HHW		White goods	X	Inciner		T&P	X	FIRM		
CDLF		Tire T&P / Collection	X	Tire Monofill		Industrial Landfill		DEMO		SDTF		

Date of Site Inspection: September 9, 2014

Date of Last Inspection: October 9, 2013

FACILITY NAME AND ADDRESS:

Roaring River Municipal Solid Waste Landfill Facility
 9219 Elkin Highway
 Roaring River, North Carolina 28669

GPS COORDINATES: N: 36.21092 W: 80.98776

FACILITY CONTACT NAME AND PHONE NUMBER:

Name: Kent Brandon, Solid Waste Director
 Telephone: (336) 696-5806 (o) or (336) 927-3339 (m)
 Email address: kbrandon@wilkescounty.net

FACILITY CONTACT ADDRESS:

Post Office Box 389
 Roaring River, North Carolina 28669

PARTICIPANTS:

Kent Brandon, Solid Waste Director
 Anderia Van Wy, Solid Waste Enforcement Officer
 Charles Gerstell, NCDENR-Solid Waste Section
 Ervin Lane, NCDENR-Solid Waste Section

STATUS OF PERMIT:

A Permit to Operate the Roaring River MSW landfill was issued to Wilkes County on January 20, 2012. This permit approved the continued operation of Phases 1, 2, 3, and 4 of the municipal solid waste landfill, as well as the onsite environmental management and protection facilities as described in the approved plans. This permit shall expire on June 30, 2016.

PURPOSE OF SITE VISIT:

Comprehensive Inspection

STATUS OF PAST NOTED VIOLATIONS:

N/A

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OBSERVED VIOLATIONS

1. 15A North Carolina Administrative Code 13B .1626(1)(a) states: *"A MSWLF shall only accept those solid wastes which it is permitted to receive. The landfill owner or operator shall notify the Division within 24 hours of attempted disposal of any waste the landfill is not permitted to receive, including waste from outside the area the landfill is permitted to serve."*

15 North Carolina Administrative Code 13B .0203(d) states: *"By receiving solid waste at a permitted facility, the permittee(s) shall be considered to have accepted the conditions of the permit and shall comply with the conditions of the permit."*

General Facility Permit Condition #8 states: *"This facility is permitted to receive solid waste generated within Wilkes County, consistent with the local government waste management plan and with local government approval and as defined in G.S. 130-290 (a)(35), except where prohibited by N.C. General Statutes Article 9 of Chapter 130A, and the rules adopted by the Commission for Health Services."*

During the inspection, a load of waste was dumped at the working face that included a sign that read "County of Burke Environmental Offices." The facility is not permitted to receive waste from Burke County. Therefore, Wilkes County is in violation of 15A NCAC 13B .1626(1)(a), 15A NCAC 13B .0203(d) and General Facility Permit Condition #8.



View of waste site with "County of Burke" on right of photo.

To achieve compliance, within **10-days** of the receipt of the Notice of Violations, the origins of the waste load must be verified and Wilkes County must submit a written response to the Solid Waste Section detailing what actions will be taken by the county to prevent acceptance of waste from outside the approved service area for the facility. This can include, but not be limited to changes to the waste screening process to recognize waste generated from outside of the approved service area for the facility.

2. 15A North Carolina Administrative Code 13B .1626(2)(a) states: *"Except as provided in Sub-item (b) of this Item, the owner or operators of all MSWLF units must cover disposed waste with six inches of earthen material at the end of each operating day or at more frequent intervals if necessary, to control disease vectors, fires, odors, blowing litter, and scavenging."*

15 North Carolina Administrative Code 13B .0203(d) states: *"By receiving solid waste at a permitted facility, the permittee(s) shall be considered to have accepted the conditions of the permit and shall comply with the conditions of the permit."*

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General Permit Condition #6 states: *"Construction and operation of this solid waste management facility must be in accordance with the Solid Waste Management Rules, 15A NCAC 13B, Article 9 of the Chapter 130A of the North Carolina General Statutes (NCGS 130A-290, et seq.), the conditions contained in this permit; and the approved plan. Should the approved plan and the rules conflict, the Solid Waste Management Rules shall take precedence unless specifically addressed by permit condition.*

- The approved Operations Plan for the facility is one document that constitutes the approved plan for the facility. **The approved Operations Plan for the facility states under Section 5.4 "Daily Cover":** *"At the end of each day's operation, compacted waste in the subcell shall be covered with either a minimum six inches of soil, or an approved alternative cover material approved by the Solid Waste Section (SWS). When soil is used for daily cover, at least two passes of heavy equipment will be made over the area to provide adequate soil compaction. Waste may be covered more frequently than once per day if necessary to control fires, odors, or blowing litter."*

During the inspection, insufficient cover was observed over a large portion of the landfill cell leaving waste exposed. Areas of concern included inactive areas west of the current working face, south of the working face near the new slope drain installed over the inactive south slope, and slightly north on the previous waste lift. Exposed waste was also observed in eroded gullies north of the current working face near the northern extent of the landfill and on the western slope of the landfill near an existing slope drain. Therefore, Wilkes County is in violation of 15A NCAC 13B .1626(2)(a), 15A NCAC 13B .0203(d), and General Permit Condition #6.



View of exposed waste west of working face.



View of exposed waste north of working face.

To achieve compliance, all exposed waste must be covered with a minimum of 6-inches of earthen material within **10-days** of receipt of the Notice of Violation. Areas which will not have additional wastes placed on them for 12-months or more, but where final termination of disposal operations has not occurred, shall be covered with a minimum of 1-foot of intermediate cover.

3. **15A North Carolina Administrative Code 13B .1626(7)(b) states:** *"Adequate sediment control measures (structures or devices), shall be utilized to prevent on-site erosion."*

During the inspection, severe eroded gullies were observed north of the working face resulting in waste being exposed. Therefore, Wilkes County is in violation of 15A NCAC 13B. 1626(7)(b).

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View of erosion of slope exposing waste.



Erosion with exposed waste at far north side of landfill.

To achieve compliance, within **10-days** of receipt of the Notice of Violation, adequate sediment control measures (structures or devices) must be installed to prevent over-wash of slopes creating severe erosion that is leading to exposure of waste. Also, as required under #2 above, all eroded gullies north of the working face must be covered with appropriate earthen material within **10-days** of the receipt of the Notice of Violations.

The item(s) listed above were observed by Section staff and require action on behalf of the facility in order to come into or maintain compliance with the Statutes, Rules, and/or other regulatory requirements applicable to this facility. Be advised that pursuant to N.C.G.S. 130A-22, an administrative penalty of up to \$15,000 per day may be assessed for each violation of the Solid Waste Laws, Regulations, Conditions of a Permit, or Order under Article 9 of Chapter 130A of the N.C. General Statutes. Further, the facility and/or all responsible parties may also be subject to enforcement actions including penalties, injunction from operation of a solid waste management facility or a solid waste collection service and any such further relief as may be necessary to achieve compliance with the North Carolina Solid Waste Management Act and Rules.

ADDITIONAL COMMENTS

1. The facility currently has a service area of Wilkes County only.
2. The facility operates a convenience area for the collection of mixed paper, plastic and glass bottles, cardboard, steel, aluminum, batteries, used oil, used oil filters, and antifreeze.
3. Electronics are collected onto pallets, wrapped with plastic, and placed into a trailer adjacent to the convenience area.

Records Review:

4. The permit and operations plan were verified. Both documents were current and available upon request.
5. Tonnage records for October 9, 2013 – September 8, 2014 were verified. The facility received approximately 179 tons of waste each operating day during this time period.
6. The Financial Assurance Cost Estimate for the facility is current.
7. Groundwater monitoring was being performed semi-annually as required.
8. Leachate sampling was being performed semi-annually as required. This testing is performed concurrently with groundwater monitoring.
9. Methane monitoring was being performed quarterly as required. No exceedences above applicable limits were found.
10. Waste screening reports were verified. Screenings were performed with good frequency. These reports provided good documentation of observed unacceptable waste streams and final disposition of those wastes.
11. Scrap Tire Certification Forms were verified. The forms appeared to be properly completed.
12. The facility keeps records of leachate pumped from the leachate pond which is disposed of at the Town of Wilkesboro Waste Water Treatment Plant. Records for October 2013 – July 2013 were verified. During this time period, 481, 075-gallons of leachate were hauled from the facility.

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13. Certified Landfill Managers

- Kent Brandon (expires 7/16/15)
- Anderia Van Wy (expires 6/8/15)

14. Certified Landfill Operations Specialists:

- Rodney Caudill (expires 4/14/15)
- David Dillard (expires 3/25/17)
- Mike Miller (expires 4/14/15)
- Olen Nester (expires 2/2/15)
- Steve Shumate (expires 8/21/15)
- Linda Souther (expires 8/21/14)

Operations Inspection of the MSWLF Unit:

15. The working face was small and compact at the time of inspection.
16. No unacceptable waste streams were observed.
17. A severe amount of apparent windblown waste was observed accumulated against the chain length fence on the east side of the landfill adjacent to the access road across from the pallet disposal area. It appeared that the waste had been piled against the fence for quite some time as the top of the waste was covered with deposited soil. All waste in this area must be removed and returned to the working face.
18. Two eroded rills were observed above the aforementioned area with exposing a small amount of waste. All eroded areas must be repaired.
19. The use of fabric tarps as alternative daily cover is approved for this facility. Tarps were not being used to cover waste at the time of inspection.
20. Ponding was observed on the west side of the landfill just above the inactive fill slopes. The facility experienced heavy rains the previous day. All ponded areas must be properly repaired to prevent future ponding.
21. Edge of liner markers were in place. However, a marker on the south side of the landfill adjacent to the slope drain had been partially knocked over and is in need of repair. It appeared that an initial marker was needed between the aforementioned marker and the southeast corner of the landfill to provide a clear line of site between markers.
22. All access roads were maintained in good, operational condition.
23. Facility staff had constructed berms on each side of the primary access route into the landfill to direct customers to the proper dumping area. The facility has installed a sign along the entrance to the landfill
24. Facility staff had regarded the southern slopes of the landfill to provide a proper angle of 3:1. The slopes had been seeded and straw mulched with some germination of seed. Ms. Van Wy and Mr. Brandon explained that work would continue on slope regarding and stabilization efforts.
25. Mr. Brandon stated that inactive portions of the landfill should be seeded within the next week.

Operations Inspection of the Treatment and Processing Area:

26. The facility places land clearing waste and wooden pallets into separate piles separated by earthen berms. All ground material is used on site and is not distributed to the public.
27. Only small stockpiles of unground land clearing waste and pallets was on site at the time of inspection.
28. This area was well managed at the time of inspection.

Operations Inspection of the White Goods Area:

29. All white goods containing chlorofluorocarbons (CFCs) are stored adjacent to the metal area under a metal roofed awning prior to CFCs being removed. Once facility staff removes CFCs, the appliances are placed on the metal pile for shipment to a recycler.
30. No white goods containing CFCs were on site at the time of inspection.

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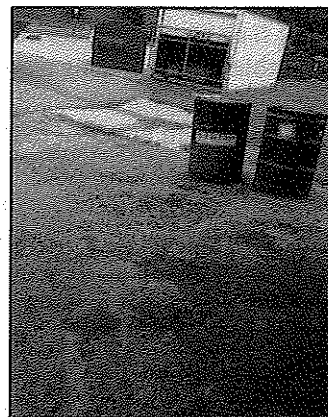
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Supporting Comments:

31. The facility provides a convenience area west of the scalehouse with multiple roll-containers to allow the general public to dispose of municipal solid waste without having to enter the landfill. During the inspection, waste was observed on the ground surrounding the roll-off containers including a heavy buildup of small particulate waste and residue. Please ensure that any waste that falls to the ground surrounding the containers is immediately picked up and placed in the container.
32. During the inspection, a heavy oil stain was observed on the asphalt in front of the designated disposal area for used oil and antifreeze, outside of the secondary containment area. A storm drain is located approximately 20-feet from the oil collection area.
 - This condition has been referred to Carin Kromm, Supervisor, UST Section at the Winston-Salem Regional Office.

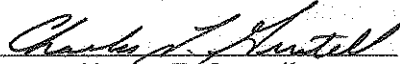


View of oil laden stain on asphalt.



View of storm drain near oil collection area.

Please contact me if you have any questions or concerns regarding this inspection report.


Charles T. Gerstell
Environmental Senior Specialist
Regional Representative

Phone: (704) 235-2144

Sent on: <u>9/15/14</u>		Email		Hand delivery	<input checked="" type="checkbox"/>	US Mail (with NOV)	Certified No. <input type="checkbox"/>
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Copies: Jason Watkins, Branch Head
Sarah M. Rice, Compliance Officer

Mr. John Yates, County Manager
110 North Street
Wilkesboro, North Carolina